

US EPA ARCHIVE DOCUMENT

# Coffeyville Refinery Resources and Marketing Oil Spill



# Katy Miley

EPA Region 7  
On-Scene Coordinator

[miley.katy@epa.gov](mailto:miley.katy@epa.gov)

913-551-7916



# Site Description

- Coffeyville is located in southeast Kansas near the Oklahoma border
- Coffeyville Resources Refining and Marketing (CRRM), a petroleum refinery, is located on the north side of Coffeyville
- CRRM is situated just inside a flood levee, adjacent to the Verdigris River, which flows through Kansas and into Oklahoma

# The Flood – June 30, 2007

- Heavy rains in June caused localized flooding and a rise in elevation of the Verdigris River
- During the night of June 30, the Verdigris River overflowed the levee around Coffeyville Kansas
- River levels rose rapidly and exceeded the height of the levee by 3.9 feet
- Flood waters entering the refinery caused a release of crude oil
  - Final approximation of release volume 90,000 gallons
- KS, OK, EPA R7, EPA R6 involved

# Estimated Flood Distribution

Coffeyville, KS  
7/3/07 1430

## Legend

- Air Sampling Locations
- ▼ Ongoing Release
- ▼ TRI Facilities
- RMP
- Stream
- Major Road
- Interstate
- U.S. Highway
- State Highway
- Streets
- Affected Counties
- Est. Flood Extent



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-DRAFT-

This map has not been submitted to the EPA peer review process

7/3/2007

EstFlood\_Coffeyville\_CJH\_07032007\_01430

0 0.25 0.5 1 Miles



# Kansas/Oklahoma Flood Extent



# Day One – July 1

- CRRM reported flooding and release of petroleum to the Kansas Department of Health and Environment and the NRC
- Two EPA Region 7 OSCs deployed to Coffeyville Kansas for OPA response
- Crude oil carried into Coffeyville Kansas and southward into Oklahoma
- Coke fines released from the refinery were suspended in the flood waters

















# Day Two – July 2

- Oil fund opened for \$ 600,000.00
- CRRM activates Oil Spill Response Organization (OSRO) contract
- Two more Region 7 OSCs were deployed to Coffeyville Kansas with the Mobile Command Post
- River water levels decreasing, but water still overtopping the levee
- Electrical, water and wastewater systems in Coffeyville affected by flooding









# Day Three – July 3

- Region 6 Liason deployed to work with Region 7
- Fifth Region 7 OSC deployed
- EPA/CRRM Unified Command operational
- 2000 feet of boom deployed by CRRM OSRO
- 6 boats deployed by CRRM OSRO
- CRRM estimates 200-300 homes affected by flooding and oil





# July 4 - 7

- City of Coffeyville conducts searches of 65 homes
- USCG Atlantic Strike Team members arrive
- 90 CRRM OSRO on-site
- 6000 feet of CRRM boom deployed
- Daily Ops conference calls
  - R6, R7, KDHE, ODEQ
- “Affected Area” shut down
- National Guard manned perimeter
- Water level begins to drop
- 7 Region 7 OSCs on-site













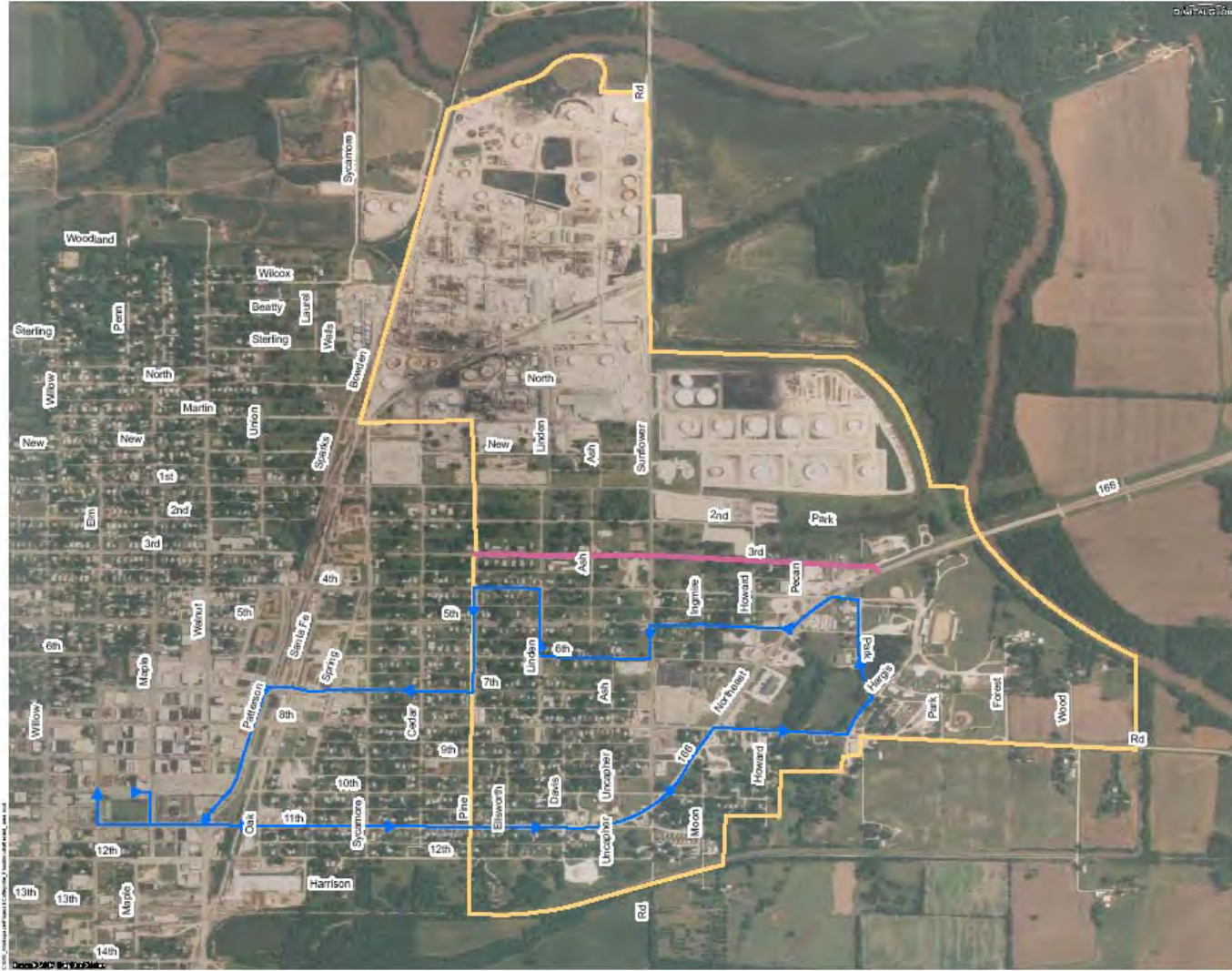






# Day Seven

- Current meeting schedule
  - 0800 City of Coffeyville meeting
  - 1030 CRRM Tactical and Operations meeting
  - 1230 EPA R6, R7, KDHE, ODEQ, ATSDR conf. call
  - 1600 CRRM Situation update meeting
  - 1700 EPA R6, R7, KDHE, ODEQ, ATSDR conf. call
  - 2000 City of Coffeyville meeting



N

0 800 1,200

Feet

Affected Area  
(Approximately 800  
Buildings Affected)

3rd Street Corridor

➡ Bus Tour Route

Coffeyville Flood Response  
Coffeyville, Kansas

Affected Area Map

Date: 10/20/17

Drawn By: M. Davis/MLD

Printed On: 10/20/17 10:05 AM





# Week Two – July 8-14

- July 10 Administrative Order on Consent (AOC) signed between EPA and CRRM
- July 11 local residents allowed to re-enter properties in affected area to get valuables
- July 14 discussions ongoing with KDHE for disposal of grocery store and other special wastes
- EPA begins co-locating residential soil sampling and water sampling with CRRM sampling contractor
- CRRM offers home buyouts in affected area
- CRRM containing and collecting oil on river and creeks

COUNTY LINE

LARGE  
SELECTION

AUTO SALES

REASONABLE  
PRICES

251-5117









# Weeks Three-Four – July 15 - 28

- July 19 KS Congressman Tiahrt visits Coffeyville, conducts overflight of flooded area
- CRRM OSRO continues collecting oil on water, oiled debris and sorbent materials
- EPA continues oversight of CRRM soil and water sampling
- CRRM begins oil removal on commercial properties with EPA oversight
- Conference call and meeting schedule ongoing









# August – October, 2007

- CRRM Workplan approved by EPA
- CRRM residential buy-outs ongoing
- Commercial buildings – most remediated or purchased by CRRM
- Shoreline Clean-up Assessment Team (SCAT) oiling assessments near waterways
  - SCAT members include state, EPA and CRRM representatives
- Structure demolitions planned





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# November - May 2007/2008

- KS Congressman Tiahrt, EPA Administrator Johnson and Regional Administrator Askew conduct site tour and media session
- Structure demolitions of CRRM owned properties (370 total)
  - Asbestos NESHAPS compliance
- Final SCAT assessments in rural areas
- Residential area soil remediation
- Soil screening/final clearance plan accepted and implemented















# Final Steps

- Several properties have been in negotiation with CRRM
- Final grading and reseeding of now CRRM owned property conducted in 2008/2009
- On-site remedial actions have been completed per the AOC
- Final R7 oil fund amount \$900,000.00
- Final report is due to EPA on July 1, 2009
  - Two year anniversary of spill



